

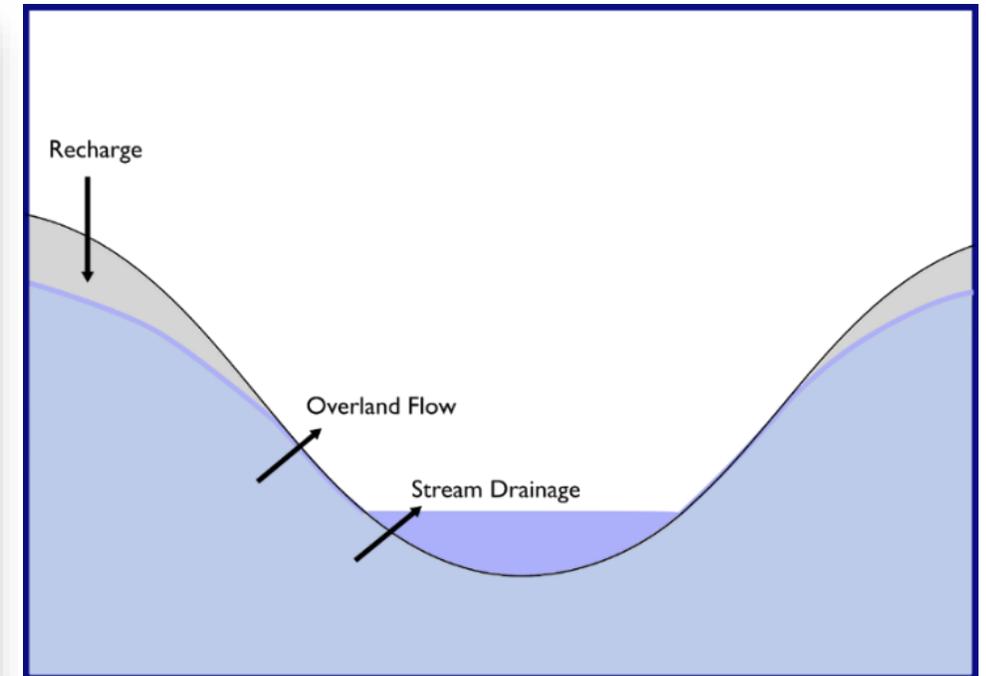
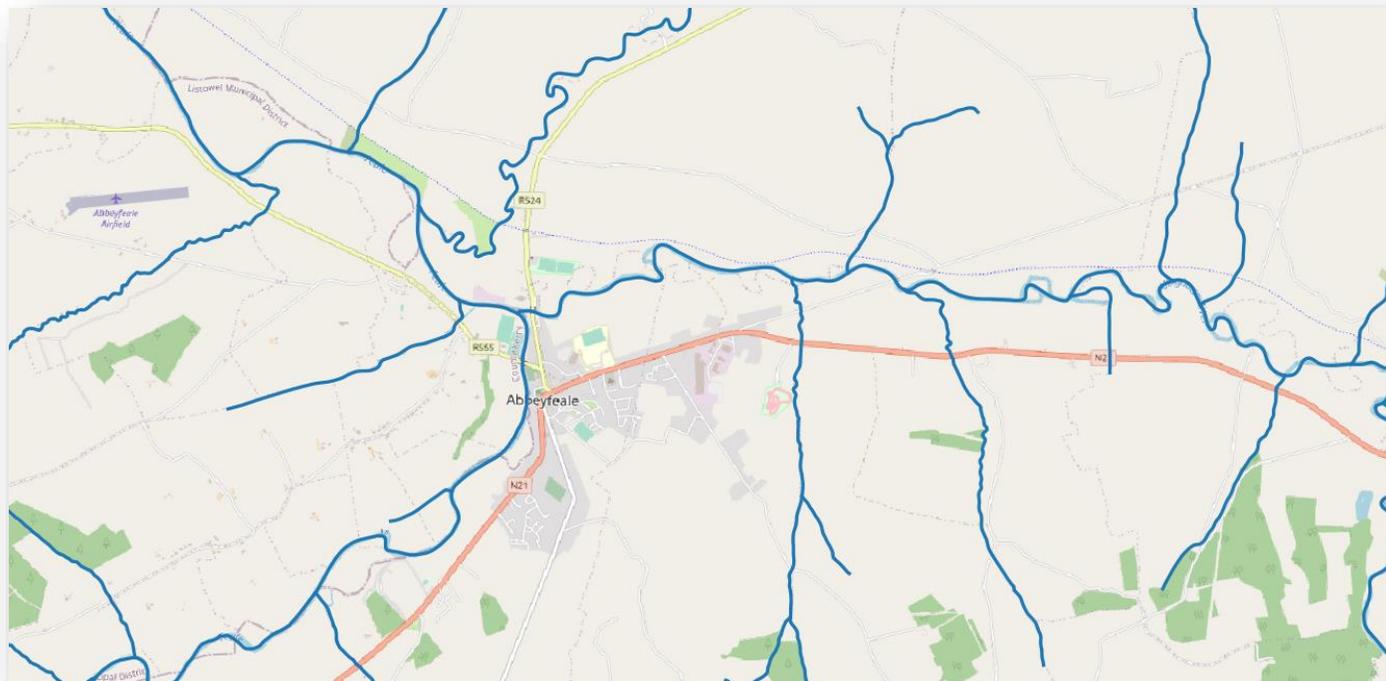
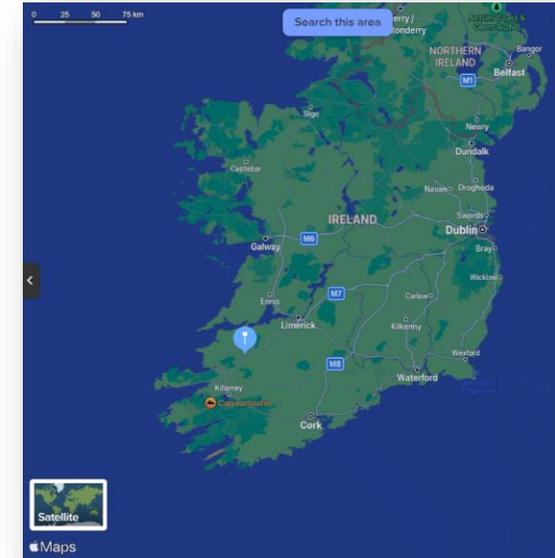
iMOD-Suite Tutorial

iMOD User Day - Delft Software Days

Tutorial case

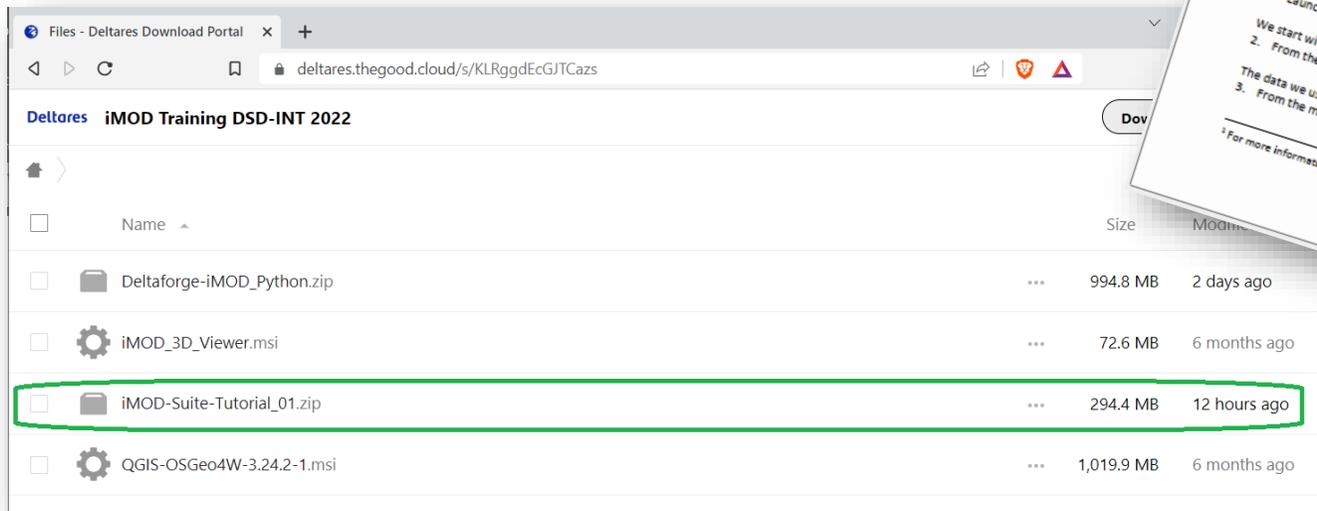
Abbeyfeale, Ireland

- Simple geology (2 layers)
- DEM
- River
- Recharge

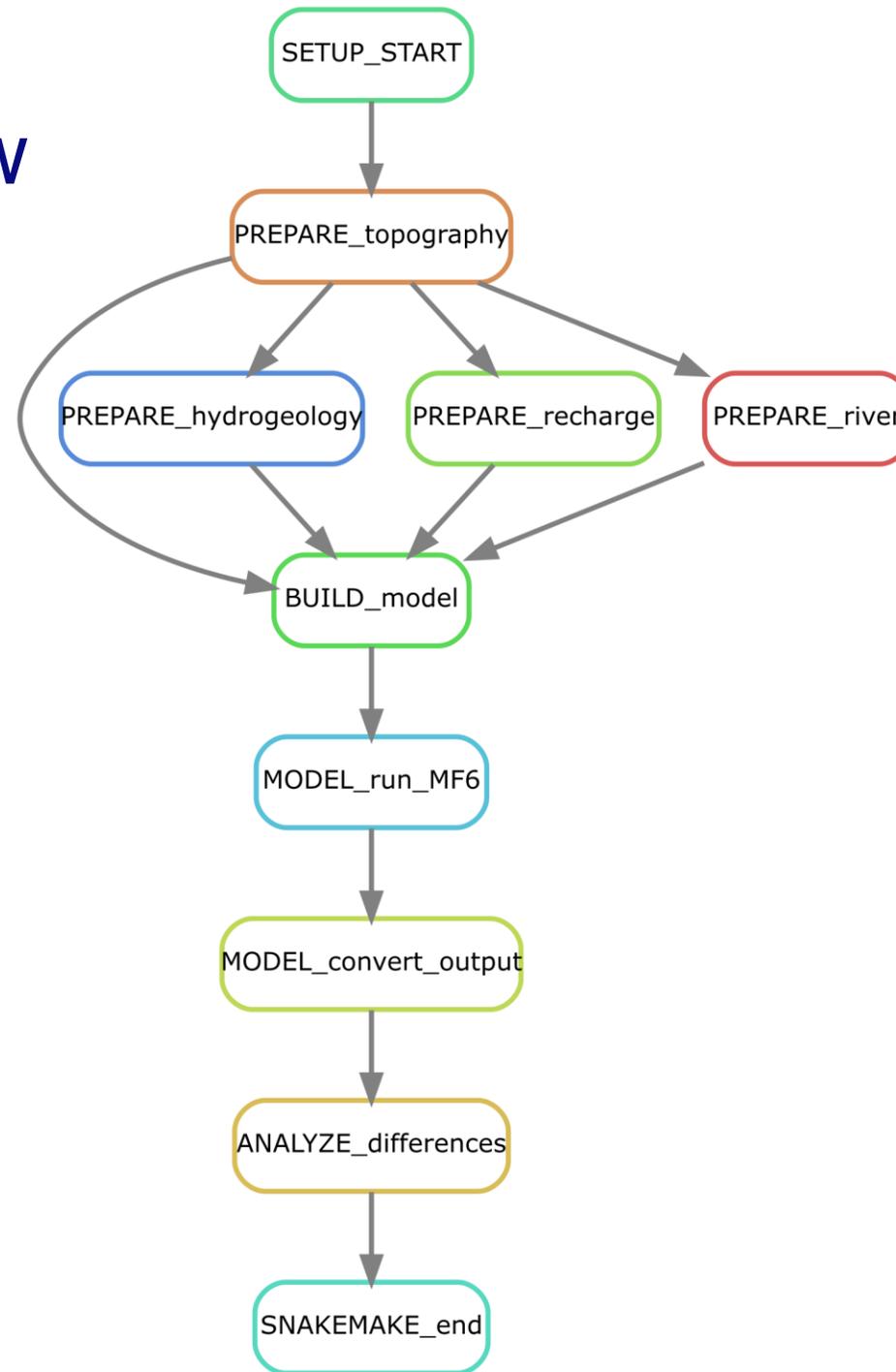


Tutorial instructions

- Individual work & plenary support
- Printed Tutorial document, step by step
- Redownload the Tutorial data or ask for the USB stick
- Request: *make notes, share your ideas*
- Ask your questions
- [mouses available]



Model Work flow



Folder structure tutorial data

```
.
├── bin
├── data
└── src
```

<- Your compiled model code can be stored here (not tracked by git)
<- Data is stored here
<- Contains scripts

Folder structure tutorial data

.		
├──	bin	<- Your compiled model code can be stored here (not tracked by git)
├──	data	
│ ├──	1-external	<- Data external to the project.
│ ├──	2-interim	<- Intermediate data that has been altered.
│ ├──	3-input	<- The processed data sets, ready for modeling.
│ ├──	4-output	<- Data dump from the model.
│ └──	5-visualization	<- Post-processed data, ready for visualisation.
├──	src	
│ ├──	0-setup	<- Install necessary software, dependencies, pull other git projects, etc.
│ ├──	1-prepare	<- Scripts and programs to process data, from 1-external to 2-interim.
│ ├──	2-build	<- Scripts to create model specific inputm from 2-interim to 3-input.
│ ├──	3-model	<- Scripts to run model and convert or compress model results, from 3-input to 4-output.
│ ├──	4-analyze	<- Scripts to post-process model results, from 4-output to 5-visualization.
│ └──	5-visualize	<- Scripts for visualisation of your results, from 5-visualization to ./report/figures.

File types used in project

- GeoTIF (.tif)
 - > Common raster file format (y, x)
- ESRI shapefile (.shp)
 - > Common vector file format, for points, lines, and polygons
- NetCDF (.nc)
 - > Common file format for regular grids (time, layer, y, x)
 - > UGRID version can store unstructured grids (named **_mesh.nc* in this project)
- IPF (.ipf)
 - > Deltares file format for points with associated data (timeseries, or borelogs)